REMARKS

Applicant amends the claims of the PCT application to eliminate multiple dependencies and references to parts in the drawings. Applicant also submits new claims to encompass additional aspects of the invention described in the specification. No new matter is introduced.

Now pending in this application are apparatus claims 1-6 and 12-17, and method claims 7-11 and 18-22. Of these, claims 1, 7, 12, and 18 are independent. Applicant requests examination of all claims.

Excess claim fees are included with the filing fee of this application. Thus, no additional fees are believed to be due in connection with this preliminary amendment. However, to the extent that additional fees are due, or that a refund is forthcoming, please adjust our deposit account 06-1050.

Respectfully submitted,

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Version with markings to show changes made

In the claims:

Claims 1-7, 9 and 11 have been amended as follows:

1. **(Amended)** A circuit arrangement for two-wire/four-wire conversion in a DMT system, which is connected to a digital reception path [~~(1)~~], a digital transmission path [~~(2)~~] and also an analog transmission/reception path [~~(3)~~] and which has an echo cancellation device [~~(12)~~] in the time domain, the arrangement having a device [~~(20)~~] for adaptation of the echo cancellation in the frequency domain, wherein the echo cancellation device is nonlinear; and the device [~~(20)~~] for adaptation of the echo cancellation has a first linear model [~~(21)~~], a nonlinear model [~~(22)~~] and also a second linear model [~~(23)~~]; and the coefficients of the nonlinear model which are determined in the device [~~(20)~~] for adaptation of the echo cancellation can be transferred to a nonlinear unit [~~(14)~~] of the echo cancellation device [~~(12)~~].

2. **(Amended)** The circuit arrangement as claimed in claim 1, [~~one of the preceding claims,~~] wherein the device [~~(20)~~] for adaptation of the echo cancellation carries out the adaptation by means of a pilot tone.

3. **(Amended)** The circuit arrangement as claimed in claim 1, [~~either of claims 1 and 2,~~] wherein the first linear model [~~(21)~~] and the second linear model [~~(23)~~] of the device [~~(20)~~] for adaptation of the echo cancellation are in each case formed by a complex number.

4. **(Amended)** The circuit arrangement as claimed in claim 1, [~~one of claims 1-3,~~] wherein the nonlinear model [~~(22)~~] of the device [~~(20)~~] for adaptation of the echo cancellation is formed by a Taylor series.

5. **(Amended)** The circuit arrangement as claimed in claim **4**, wherein the Taylor series of the nonlinear model [~~(22)~~] is calculated up to the quadratic element.

6. **(Amended)** The circuit arrangement as claimed in claim 1, [~~one of the preceding claims,~~] wherein a linear echo cancellation device [~~(18)~~] in the frequency domain is connected in parallel with the device [~~(20)~~] for adaptation of the echo cancellation.

7. **(Amended)** A method for attenuating echo signals in a circuit arrangement for two-wire/four-wire conversion of a signal generated by multicarrier modulation with orthogonal subchannels, the modeling being effected in the frequency domain of the signal, while the echo cancellation is effected in the time domain of the signal, wherein the echo cancellation device is nonlinear; and the device [~~(20)~~] for adaptation of the echo cancellation has a first linear model [~~(21)~~], a nonlinear model [~~(22)~~] and also a second linear model [~~(23)~~]; and the coefficients of the nonlinear model which are determined in the device [~~(20)~~] for adaptation of the echo cancellation are transferred to a nonlinear unit [~~(14)~~] of the echo cancellation device [~~(12)~~].

9. **(Amended)** The method as claimed in claim 7, [~~either of claims 7 and 8,~~] wherein the nonlinearities are mapped by a Taylor series.

11. **(Amended)** The method as claimed in claim 7, [~~one of claims 7-10,~~] wherein linear echo compensation is carried out in the frequency domain of the signal.